



The USASOC Geospatial News

September 2006 (Edition 3, Volume 16)

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Terrain Team TTPs

Greg Ligeibel, the NGA Geospatial Analyst embedded with the 5th SFGA, developed eight tactics, techniques and procedures (TTPs) for managing geospatial data. These TTPs may be found on the USASOC DCS, G2's websites ([NIPRNet](#) and [SIPRNet](#)). The TTPs are located in the Terrain Team TTP folder under GI&S Documents on the SIPRNet site.

ARSOF terrain teams are encouraged to submit their TTPs to the USASOC GI&S Officer for inclusion in the TTP Folder.

GeoPDF Update

The US Army Topographic Engineering Center has published the Afghanistan, Pakistan and Iraq [GeoPDF DVDs](#), as well as a National Capital Area (1:24,000-scale quad sheets in GeoPDF format DVD. Mr. [Raymond Caputo](#) is the TEC POC. Data may be downloaded from three TEC websites:

- [NIPRNet](#)
- [SIPRNet](#)
- [GeoPDF archives](#) shows new additions.
- [JWICS](#)

LIDAR Coverage Update

TEC's [Rapid Terrain Visualization Center](#) announced the addition of the following LIDAR cells to its Iraq database.

Tuz	Yamjah Buyuk	Mahkmur
Babujan – 3 tiles	Tikrit – 2 Tiles	Tu'aym
Mosul – 8 tiles	Daw Al Qamar	Al Hadr

Route – 4 tiles Sununi – 14 tiles Bulayji – 8 tiles

The Rapid Terrain Visualization Center is the website for complete LIDAR holdings at TEC. Click the Rapid Terrain Visualization link to go the database.

GeoEye Airport Contract

Dulles, VA, June 21, 2006, GeoEye press release. [GeoEye](#), the world's largest commercial satellite remote sensing imaging company, announced today that the National Geospatial-Intelligence Agency (NGA) Stereo Airfield Collection program has awarded the company a contract to image 365 airfields and product Airport Mapping Databases (AMDB) over a 12-month period. GeoEye will deliver IKONOS stereo imagery and perform three-dimensional airport feature extraction services in accordance with NGA specifications. The effective date of this award was June 2006.

An Airport Mapping Database is a geospatial database that contains significant features of an airport such as runways, taxiways, buildings, obstacles and terrain surrounding an airfield. This information supports the safe movement of aircraft and helicopters on runways and taxiways. These products can also be used to support training, mission or contingency planning and visual simulations for ordinary operations or crisis situations. GeoEye is uniquely positioned to fulfill this contract for North American and international airfields by virtue of its IKONOS satellite's ability to generate a three-dimensional imager from stereo data collected during a single orbital pass. The result is a three-dimensional map-accurate image of an airport that can be quickly and cost effectively acquired.

Dejan Damjanovic, GeoEye's program manager for airfield and harbor mapping said, "We are also completing a project for 13 commercial airports in South America for the Latin American Civil Aviation Commission. We participate extensively on Airfield Standards Committees, and then build the specific Airport Mapping Database to suit the customer requirement."

GeoEye is currently building its next-generation commercial satellite imaging system, GeoEye-1, which will provide a ground resolution of 0.41-meter panchromatic and a 1.65-meter multispectral or color imagery. The launch of GeoEye-1 is slated for early 2007 from the Vandenberg Air Force Base in California.

Changes to the BuckEye Imagery Database

Visitors to TEC's CAC/PKI ([NIPRNet](#) and [SIPRNet](#)) BuckEye websites for Iraq will notice a significant change in the appearance of the site. There is now an interactive map display, using ArcIMS, that shows tile locations. The database is also easier to research.

Joint Geospatial Activity (JGA) Survey

On 28 June, a two-man team from the JFCOM JGA office conducted a geospatial survey with twelve USASOC personnel. Due to the optempo, not as many participants were available, but there was a good cross section of geospatial data users to answer the detailed questions.

The purpose of the questionnaire is to assist JGA to formulate joint requirements and solutions, both material and non-material, for capabilities that will extend and enhance GEOINT support among national, theater and tactical users.

The in-depth questionnaire focused on all aspects of using geospatial data, architectures, what works and what doesn't work, organizations from which data is obtained and can be sent to, data dissemination, systems and software used to process the data and questions on data standards.

USASOC Software Approvals

Map2PDF, SOFViz V4.2, Terra Explorer and Free-D geospatial software viewers are now approved for use on USASOC computer systems

- [Map2PDF](#) is a plug-in to Adobe Acrobat that allows the user to view and manipulate the new GeoPDF files that are rapidly becoming a standard compression format. (See the GeoPDF file availability on the TEC SIPRNet website.)
- [SOFViz](#) allows users to view SOFViz projects and to add their own data to the existing project.
- [TerraExplorer](#) allows the user to view the fly-throughs generated in the Urban Tactical Planner (UTP) from USATEC.
- [Free-D](#) is a DPPDB Stereo Viewer for creating color stereo anaglyphs from DPPDB data.
- FalconView 4.0.1. This is the latest version of the program. This software is now approved for use on USASOC systems.

Your systems administrator will be required to install these viewers. Copies of the software should be on hand for installation.

New SOFViz Website

<http://209.12.29.211.index.php> is the newly reformatted SOFViz website. It has a sleeker looking format and retains the user's old login data.

Theater Geospatial Database Web Sites

USAREUR and USARPAC now have their Theater Geospatial Databases (TGD) online on the SIPRNet.

The [USAREUR TGD](#) site contains page links to: TGD Digital Data; TGD Finished Products; Request Information and Organizational Information.

The [USARPAC TGD](#) site contains page links to: Mission; PACOM Geospatial Links; AOR Products; Commodity Datasets; GIS Tools; Request Form and Contact Information.

Visit these sites to obtain geospatial information of the PACOM and EUCOM areas of operation.

New HyDRO Site Launched on TEC's SIPRNet

The Hydrologic Data Repository for Operation, "HyDRO," is ERDC-TEC's latest water resource web mapping page. HyDRO ([SIPRNet](#)) is fielded as part of TEC's DoD Water Resources

Data Base (WRDB) mission and utilizes ESRI ArcIMS software to serve OCONUS water resources information.

The HyDRO site serves the recently doubled geographic coverage of the WRDB, with information on Existing Water Facilities, Surface Water, and Ground Water Resources. The new site provides additional water resource information that has been recently "mined" or extracted from other databases (MIDB, FIRES, etc.), significantly expanding the extent of available data. A planned improvement includes converting the map images to GeoPDF format.

New sources of global precipitation, water chemical analyses, water statistics, and discharge data have been added, along with links to geologic/hydrogeologic maps for most countries.

HyDRO is based upon ESRI's Enterprise GeoDatabase (ArcSDE) technology, which allows for rapid retrieval and updating of data so that water resources information received from the field can be added to the database and served in nearly real time. HyDRO is DoD's one-stop source for OCONUS water resource information. It is currently available on [TEC NIPRNet/PKI](#) site. Try the web site out and then complete the online survey to provide your comments as to the usability and quality of information returned. (POCs at CEERD-TO-H: [Tom Spillman](#), 703-428-7869 or [Laura Dwyer](#), 703-428-6895)

USASOC Imagery Tech Deploys

CW3 Jason Jones, the USASOC Imagery Technician, deployed with the 5th SFGA for 45 days with a 15-day follow-on deployment to 3d SFGA. While with the unit, Chief Jones' mission is to observe all phases of imagery operations at all levels, observe how the intelligence architecture is developing and to recommend improvements to the same, as well as mentoring/training the unit imagery analysts. Chief Jones' time in theater and his lessons learned will be invaluable in developing the USASOC geospatial architecture plan.

Online DLA Form 1832 Validation

DLA (Richmond Map Depot-Product Center 9) has made it easier for DLA Automatic Distribution Accountholders to validate their accounts. This is an annual requirement.

<http://www.dscr.dla.mil/rmf/> is the PC9 website. On the right side, second bullet down is a link to DLA Form 1832 Account Validation. Clicking that link takes the user to the Ordering Procedures page, on which is the Account Validation Link. Answer the questions and your account is validated for another year! This will not work for FLIP accounts.

USASOC units requesting a new account or revalidating an existing account are asked to forward, via email, a copy of the DLA Form 1832 to the [Chief, GI&S Section](#), USASOC. The GI&S Section's fax number is 910-432-6632.

SOJICC GIS Webpage Online

The [USSOCOM SOJICC Portal](#) (SIPRNet) is the location for USSOCOM units to store their GIS Shape files or other geospatial intelligence data for use and sharing among SOF operators. By checking this site to determine what products have been already completed, duplication of effort will hopefully be prevented or at least reduced.

10th SFGA Geospatial Intelligence SOP

The imagery and terrain analysis shop of the 10th SFGA developed a Geospatial Intelligence SOP. The SOP is on the JWICS-SOCRATES on the USASOC G2's, Intelligence Operations Division, GI&S Section page. The SOP provides detailed information on the "how to" for various intelligence products. This is a well-written product. Each imagery/terrain analysis shop in USASOC is encouraged to produce a similar document, keyed to its unit's procedures, processes and battle rhythms.

Geoportal—The French Version of Google Earth

[Geoportal](http://www.geoportal.fr/index.php?action=&langue=fr&event=VisitorConnected)

(<http://www.geoportal.fr/index.php?action=&langue=fr&event=VisitorConnected>) is the French version of GoogleEarth, but it only covers France and French territories. The web site is in French. Its general purpose is to provide the French citizens with access to imagery and geospatial information of French lands. The portal is easy to navigate and contains some high-resolution imagery.

National Agricultural Imagery Program (NAIP)

This information was provided by Joe Riggs, the NGA GA to III Corps.

The [National Agricultural Imagery Program](#) (NAIP) Geospatial Data Gateway provides One-Stop Shopping for natural resources or environmental data at anytime, from anywhere, to anyone. The Gateway allows a user to choose his area of interest, browse and select data from our catalog, customize the format, and have it downloaded or shipped on CD. The data is free if downloaded via FTP. The Geospatial Data Gateway or Geo-Data Gateway provides easy and consistent access to natural resource data. Users can search for available data by geographic area, such as county or state, use the pint and click map tool to find an area of interest, use the gazetteer, or by entering latitude and longitude coordinates. Users can also search for data by theme. Users can then view a thumbnail or sample of the data chosen to know if a copy of the data is desired. Data may be downloaded onto the local machine, picked up via our FTP site or ordered on media, such as CD-ROM.

Iraq Atlases

The following Iraq atlas products are now arriving via automatic distribution from the Defense Logistics Agency (DLA).

VOLUME	NRN	NSN
1	K042BIZU01BAGHD	7643015329374
3	K643BIZ2ANBARN	7643015314465
4	K643BIZ4BABAGDI	7643015327083
5	K643BIZANKARNA	7643015327084

Users not on automatic distribution should be able to order these products via WEBREQ or the DoD EMALL.

DoD EMALL

The Richmond Map Facility (RMF) requires all DoD activities and federal agencies to submit electronic orders via Military/Federal Standard Requisitioning and Issue Procedures (MILSTRIP/FEDSTRIP) to the [Defense Automatic Addressing System Center](#) (DAASC). Electronic ordering will allow customers to take advantage of their intra-service or agency logistics systems to perform validation edits on orders prior to submission to the RMF. This will aid in eliminating many of the errors, which cause rejection or cancellation.

The preferred methods for DAASC connectivity are:

- [DoD EMALL](#)
- [WEBREQ](#)
- [MILSTRIP/FEDSTRIP](#)

DoD customers may contact their Supply Officer or Supply Point of Contact for assistance with MILSTRIP/FEDSTRIP requisitioning.

New Project Foundry Courses

The following Advanced Asymmetrical Analysis courses are approved for Project Foundry funding by INSCOM: Pathfinder Submission, Basic Orion Magic, Asymmetrical Analysis and Targeting with i2 Analyst Notebook and ArGIS Eight Day Training Program. The courses are taught in Fayetteville or by MTT by SRA, International.

The Tactics, Techniques, and Procedures (TTP) trained in these courses were initially developed in late 2002, as a new capability that provided the Special Forces Operational Detachment Alpha (SFODA) warfighter (18F Special Forces Intelligence Sergeant) with an improved capability for predictive pattern analysis and decision-making.

SRA's Irregular Warfare Branch (staffed by the original architects of the 18F TTP, Special Forces Operators with extensive OIF/OEF counterinsurgency experience, and Military Intelligence Specialists) has built upon the successes of the 18F Course and developed these advanced skill level Asymmetric Analysis TTPs to train Military Intelligence personnel for deployments in support of OIF, OEF and other GWOT missions.

ARSOF units are to submit requests for attending these courses through the unit intelligence training officer or NCO to Mr. Kaminski, USASOC DCS, G2 Training Officer.

SRA Action Officers for this offering are John Patrick, Operations Director, SRA-Fayetteville, (910-728-0142 or Jeff Platt, Director, Intelligence Operations, (910-494-6883).

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